

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 2-19-99	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
COUNTY Morton		WELL NO. #1	
LOCATION nw se sw		ACRES 320	
FIELD Kinsler		PIPELINE CONNECTION	
RESERVOIR Lower Morrow/Ke			
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
TOTAL DEPTH			
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
		PERF. 5192	TO 5203
TUBING SIZE 2.500	WT. 6.500	ID 2.441	SET AT 5163
		PERF. 5223	TO 5246
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION 1 BBL Condensate/H	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .636	% CARBON DIOXIDE .100	% NITROGEN 3.000	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 5225		TYPE METER CONN. flange	METER RUN SIZE 2"
REMARKS			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT-IN								1166	1180	72.00	
1.	.875	337.00	7.00	51				1112	1126	1.00	
2.	.875	335.00	15.00	54				1045	1059	1.00	
3.	.875	330.00	22.00	55				958	972	1.00	
4.	.875	330.00	30.00	55				907	921	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	3.820	351.4	49.60	1.2539	1.0088	1.0329	247		.636
2.	3.820	349.4	72.39	1.2539	1.0058	1.0320	359		.636
3.	3.820	344.4	87.04	1.2539	1.0048	1.0313	432		.636
4.	3.820	344.4	101.65	1.2539	1.0048	1.0313	504		.636

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	1126.4	1180.4	1126.6	1393.3	1269.2	124.2	247.5	95.4
2.	1059.4	1180.4	1059.8	1393.3	1123.1	270.3	360.0	89.7
3.	972.4	1180.4	973.0	1393.3	946.7	446.7	432.1	82.2
4.	921.4	1180.4	922.2	1393.3	850.5	542.9	504.6	77.9

INDICATED WELLHEAD OPEN FLOW

765

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Company

For Commission

Checked by

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☐ Initial ☐ Annual ☐ Special		TEST DATE: 3-17-1999	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
WELL NO. #1			
COUNTY Morton	LOCATION nw se sw	SECTION 3 32s	TWP 40w
FIELD Kinsler		ACRES 320	
RESERVOIR Lwr Mrrw/Keyes		PIPELINE CONNECTION Duke Energy	
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
TYPE COMPLETION (Describe) Flowing Gas Well		PERF. 5192	
PRODUCING THRU (Annulus/Tubing) tubing		TO 5223	
GAS GRAVITY - G _g .636		PERF. 5223	
% CARBON DIOXIDE .100		TO 5246	
% NITROGEN 3.000			
VERTICAL DEPTH (H) 5225		TYPE FLUID PRODUCTION Flowing Gas Well	
TYPE METER CONN. flange		METER RUN SIZE 2"	
REMARKS pressures from bomb @ 5250' 1st backward test			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _L)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _L) (P _C) psia	psig	(P _w) (P _L) (P _C) psia		
SHUT-IN								1203	1217	72.00	
1.	.625	362.00	38.00	60				997	1011	1.00	
2.	.625	360.00	26.00	58				1009	1023	1.00	
3.	.625	360.00	9.50	55				1038	1052	1.00	
4.	.625	360.00	4.00	48				1061	1075	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _D) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	1.910	376.4	119.60	1.2539	1.0000	1.0332	295		.636
2.	1.910	374.4	98.66	1.2539	1.0019	1.0335	244		.636
3.	1.910	374.4	59.64	1.2539	1.0048	1.0342	148		.636
4.	1.910	374.4	38.70	1.2539	1.0117	1.0359	97		.636

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	1011.4	1217.4	1011.7	1482.1	1023.6	458.4	295.9	82.9
2.	1023.4	1217.4	1023.6	1482.1	1047.8	434.2	244.7	83.9
3.	1052.4	1217.4	1052.5	1482.1	1107.7	374.3	148.4	86.3
4.	1075.4	1217.4	1075.4	1482.1	1156.6	325.5	97.1	88.2

INDICATED WELLHEAD OPEN FLOW 13413 Mcfd @ 14.65 psia "n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Company

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE:

3-17-1999

Bonneville Fuels Corp

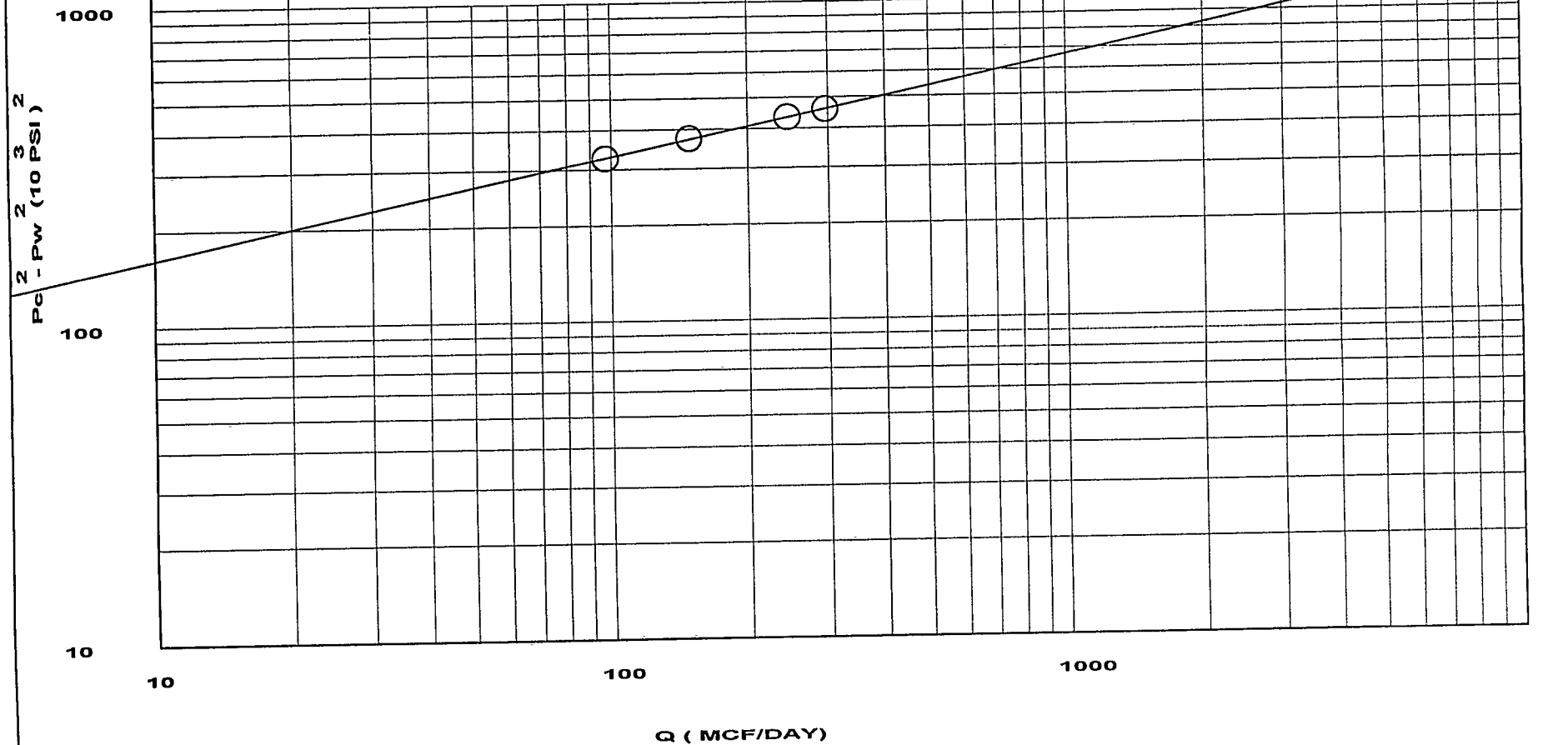
Warring Trust #1

3 32s 40w

Morton ,KS.

Exponent n: 3.2593

AOF: 13413.



**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☐ Initial ☐ Annual ☐ Special		TEST DATE: 3/22/1999	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
WELL NO. #1			
COUNTY Morton	LOCATION nw se sw	SECTION 3 32s	TWP 40w
RNG		ACRES 320	
FIELD Kinsler		PIPELINE CONNECTION Duke Energy	
RESERVOIR Lwr Mrrw/Keyes			
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
TOTAL DEPTH			
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
PERF. 5192		TO 5203	
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
PERF. 5223		TO 5246	
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	
BAR PRESS - Pa 14.4 psia			
GAS GRAVITY - Gg .636	% CARBON DIOXIDE .100	% NITROGEN 3.000	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 5225		TYPE METER CONN. flange	
METER RUN SIZE 2"			
REMARKS 2nd test ran backward pressures from bomb @ 5250'			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1203	1217	72.00	
1.	1.000	350.00	100.00	44				760	774	1.00	
2.	1.000	344.00	43.00	49				918	932	1.00	
3.	1.000	345.00	23.00	54				996	1010	1.00	
4.	1.000	345.00	11.00	56				1063	1077	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	5.070	364.4	190.89	1.2539	1.0157	1.0359	1276		.636
2.	5.070	358.4	124.14	1.2539	1.0107	1.0341	824		.636
3.	5.070	359.4	90.92	1.2539	1.0058	1.0330	600		.636
4.	5.070	359.4	62.88	1.2539	1.0039	1.0325	414		.636

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	774.4	1217.4	781.6	1482.1	610.9	871.1	1277.0	63.8
2.	932.4	1217.4	934.9	1482.1	874.1	607.9	824.9	76.5
3.	1010.4	1217.4	1011.7	1482.1	1023.5	458.6	600.5	82.9
4.	1077.4	1217.4	1078.0	1482.1	1162.1	320.0	414.3	88.4

INDICATED WELLHEAD OPEN FLOW

2286

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Company

For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE:

3/22/1999

Bonneville Fuels Corp

Warring Trust #1

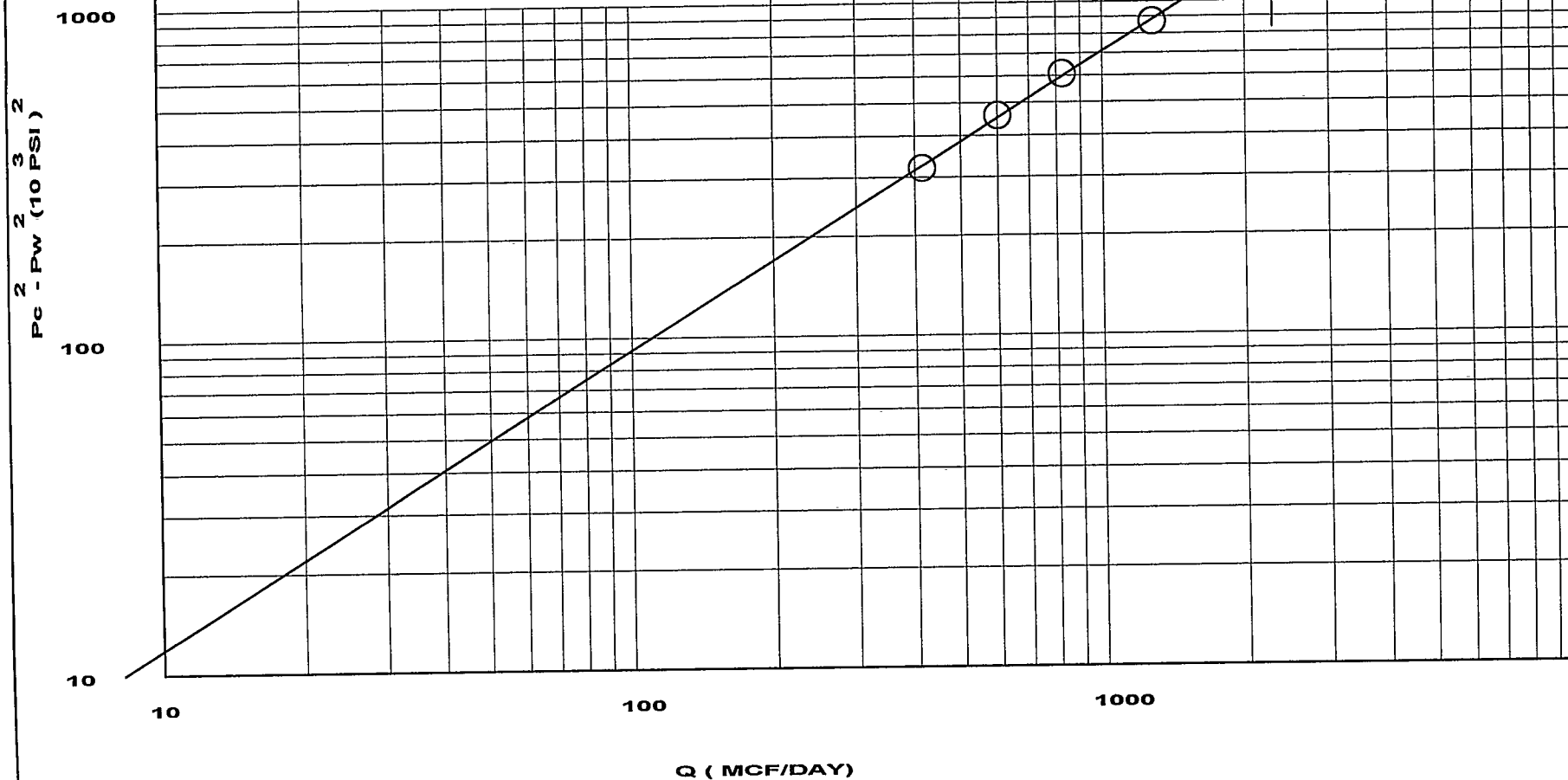
3 32s 40w

Morton

,KS.

Exponent n: 1.1258

AOF: 2286.



**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☐ Initial ☐ Annual ☐ Special		TEST DATE: 3/17/1999	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
COUNTY Morton		WELL NO. #1	
LOCATION nw se sw	SECTION 3	TWP 32s	RNG 40w
ACRES 320			
FIELD Kinsler		PIPELINE CONNECTION Duke Energy	
RESERVOIR Lwr Mrrw/Keyes			
COMPLETION DATE 12-20-98		PLUG BACK DEPTH 5452	
TOTAL DEPTH 5154		PACKER SET AT	
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
PERF. 5192		TO 5203	
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
PERF. 5223		TO 5246	
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION oil	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	
BAR PRESS - Pa 14.4 psia			
GAS GRAVITY - Gg .636		% CARBON DIOXIDE .100	
% NITROGEN 3.000		API GRAVITY OF LIQUID	
VERTICAL DEPTH (H) 5225		TYPE METER CONN. flange	
METER RUN SIZE 2"			
REMARKS ran test backward calculated bhp pressures to surface			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Rbbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1021	1035	72.00	
1.	.625	360.00	38.00	60				870	884	1.00	
2.	.625	360.00	26.00	59				881	895	1.00	
3.	.625	360.00	9.00	57				906	920	1.00	
4.	.625	360.00	4.00	47				923	937	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	1.910	374.4	119.28	1.2539	1.0000	1.0330	295		.636
2.	1.914	374.4	98.66	1.2539	1.0010	1.0333	244		.636
3.	1.914	374.4	58.05	1.2539	1.0029	1.0337	144		.636
4.	1.914	374.4	38.70	1.2539	1.0127	1.0362	97		.636

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	884.4	1035.4	884.8	1072.1	782.9	289.2	295.1	85.2
2.	895.4	1035.4	895.7	1072.1	802.2	269.8	244.9	86.3
3.	920.4	1035.4	920.5	1072.1	847.3	224.7	144.4	88.7
4.	937.4	1035.4	937.4	1072.1	878.8	193.2	97.5	90.4

INDICATED WELLHEAD OPEN FLOW

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Company

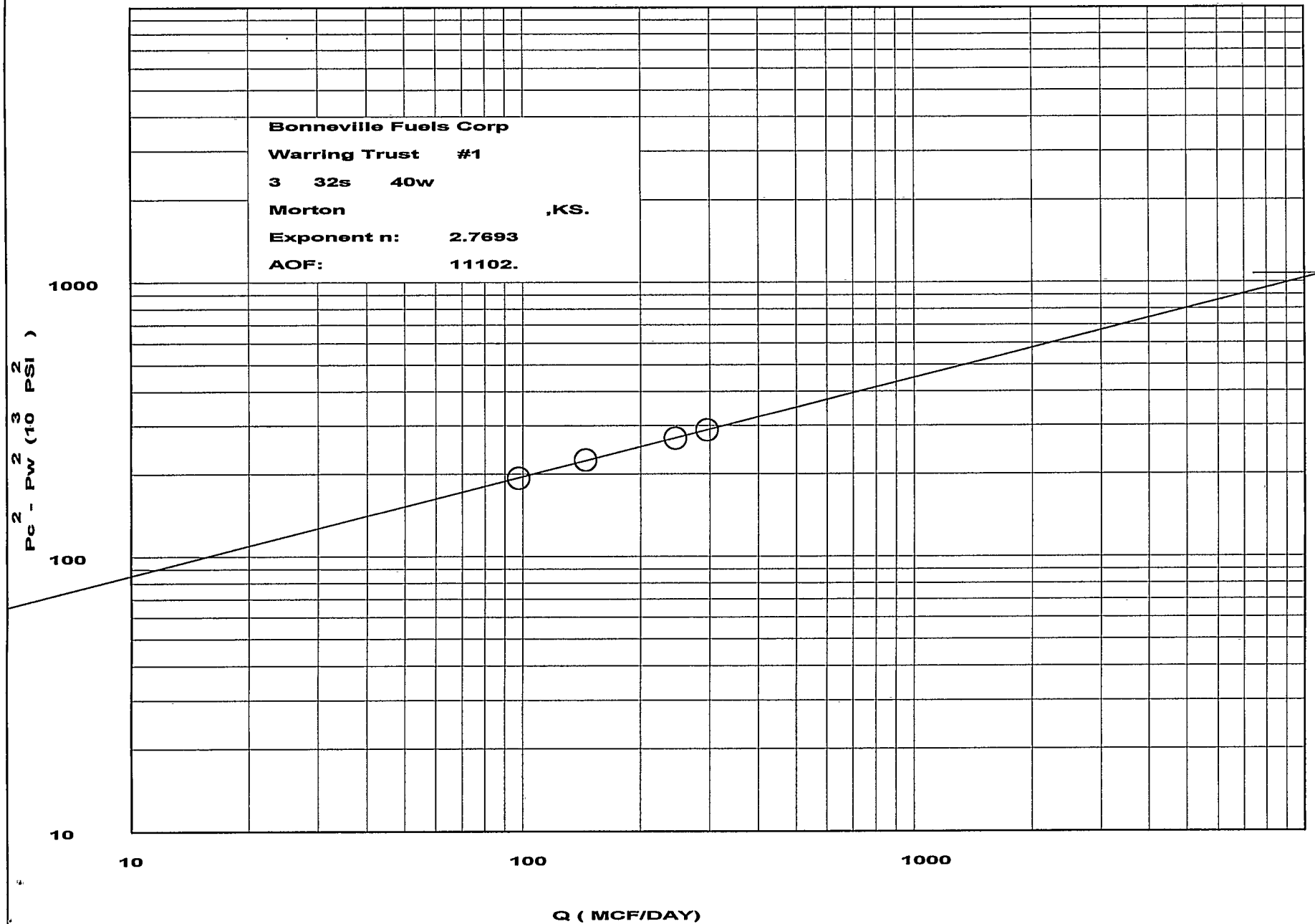
For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 3/17/1999



KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 3-17-99	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
		WELL NO. #1	
COUNTY Morton	LOCATION nw se sw	SECTION 3 32s 40w	ACRES 320
FIELD Kinsler	RESERVOIR Lwr Mrw/Keyes	PIPELINE CONNECTION Duke Energy	
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
			PERF. 5192
			TO 5203
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
			PERF. 5223
			TO 5246
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION oil	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	
GAS GRAVITY - Gg .636		% CARBON DIOXIDE .100	
		% NITROGEN 3.000	
VERTICAL DEPTH (H) 5225		TYPE METER CONN. flange	
REMARKS 1st backward test using surface pressures		METER RUN SIZE 2"	

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1022	1036	72.00	
1.	.625	360.00	38.00	60				840	854	1.00	
2.	.625	360.00	26.00	59				850	864	1.00	
3.	.625	360.00	9.00	57				893	907	1.00	
4.	.625	360.00	4.00	47				929	943	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	1.910	374.4	119.28	1.2539	1.0000	1.0330	295		.636
2.	1.914	374.4	98.66	1.2539	1.0010	1.0333	244		.636
3.	1.914	374.4	58.05	1.2539	1.0029	1.0337	144		.636
4.	1.914	374.4	38.70	1.2539	1.0127	1.0362	97		.636

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	(Pc) ² Thousands	(Pw) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	854.4	1036.4	854.8	1074.1	730.7	343.4	295.1	82.2
2.	864.4	1036.4	864.7	1074.1	747.7	326.4	244.9	83.2
3.	907.4	1036.4	907.5	1074.1	823.6	250.6	144.4	87.4
4.	943.4	1036.4	943.4	1074.1	890.1	184.0	97.5	90.9

INDICATED WELLHEAD OPEN FLOW

1646

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Commission

For Company

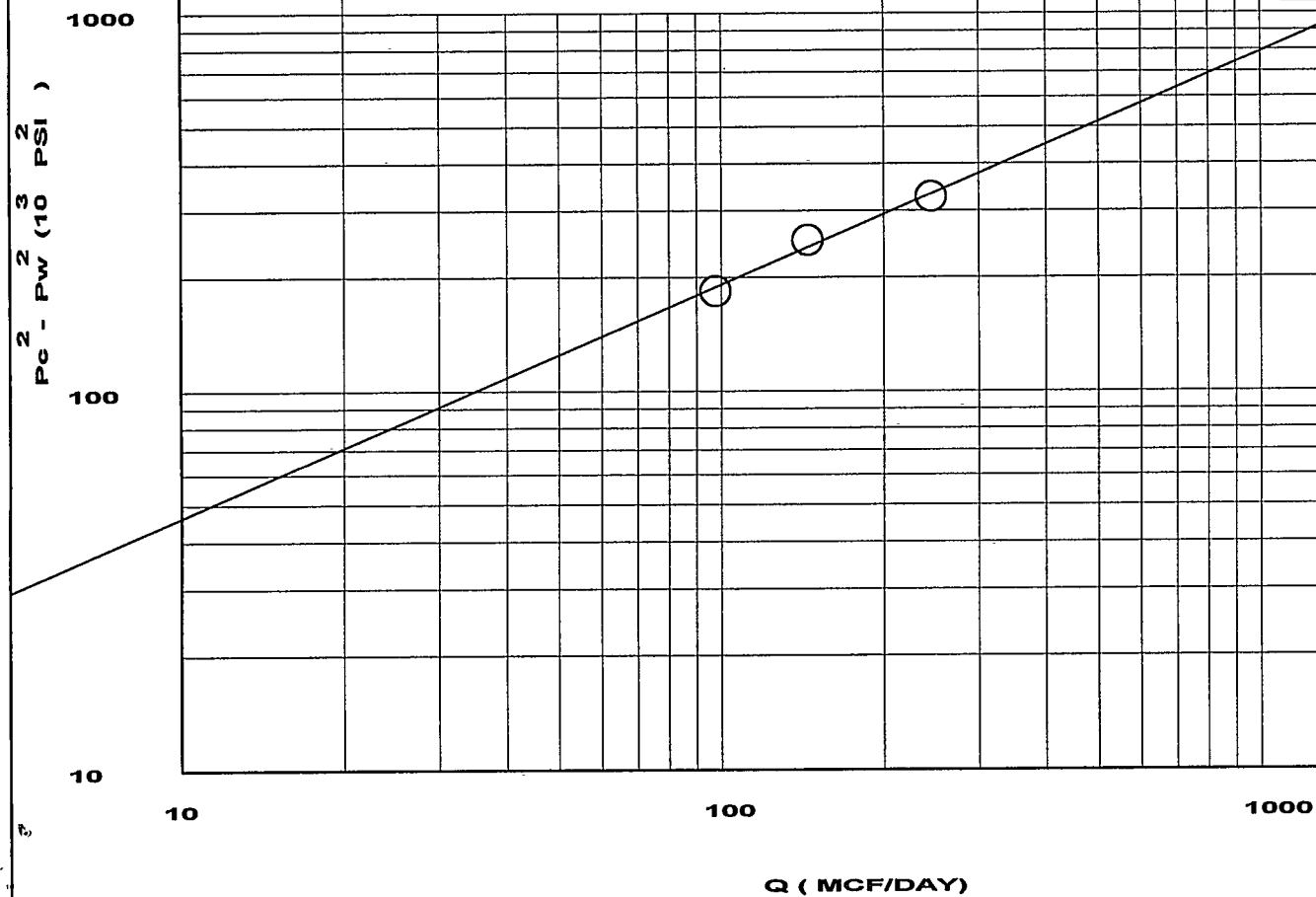
Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 3-17-99

Bonneville Fuels Corp
 Warring Trust #1
 3 32s 40w
 Morton ,KS.
 Exponent n: 1.6250
 AOF: 1647.



**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 3/22/99	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
WELL NO. #1			
COUNTY Morton	LOCATION nw se sw	SECTION 3 32s 40w	ACRES 320
FIELD Kinsler	RESERVOIR Lwr Mrrw/Keyes	PIPELINE CONNECTION Duke Energy	
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
PERF. 5192		TO 5203	
PERF. 5223		TO 5246	
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION oil	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	
BAR PRESS - Pa 14.4 psia			
GAS GRAVITY - Gg .625	% CARBON DIOXIDE .239	% NITROGEN 2.800	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 5225	TYPE METER CONN. flange		METER RUN SIZE 2"
REMARKS 2nd backward test calculating bhp to surface pressure			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1022	1036	72.00	
1.	1.000	350.00	100.00	44				760	774	1.00	.1
2.	1.000	344.00	43.00	49				809	823	1.00	.1
3.	1.000	345.00	23.00	54				874	888	1.00	.1
4.	1.000	345.00	11.00	56				931	945	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	5.070	364.4	190.89	1.2649	1.0157	1.0347	1286	536100.0	.633
2.	5.070	358.4	124.14	1.2649	1.0107	1.0329	831	346322.9	.637
3.	5.070	359.4	90.92	1.2649	1.0058	1.0319	605	504298.1	.633
4.	5.070	359.4	62.88	1.2649	1.0039	1.0315	417		.625

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	774.4	1036.4	781.7	1074.1	611.1	463.0	1286.7	75.1
2.	823.4	1036.4	826.4	1074.1	682.9	391.2	831.2	79.5
3.	888.4	1036.4	889.9	1074.1	791.9	282.2	605.2	85.7
4.	945.4	1036.4	946.1	1074.1	895.1	179.0	417.5	91.2

INDICATED WELLHEAD OPEN FLOW

1997

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 21 day of April, 19 99

Witness (if any)

For Commission

For Company

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 3/22/99

Bonneville Fuels Corp

Warring Trust #1

3 32s 40w

Morton ,KS.

Exponent n: 0.8788

AOF: 1997.

1000

$P_c^2 - P_w^2$ (10 PSI)

100

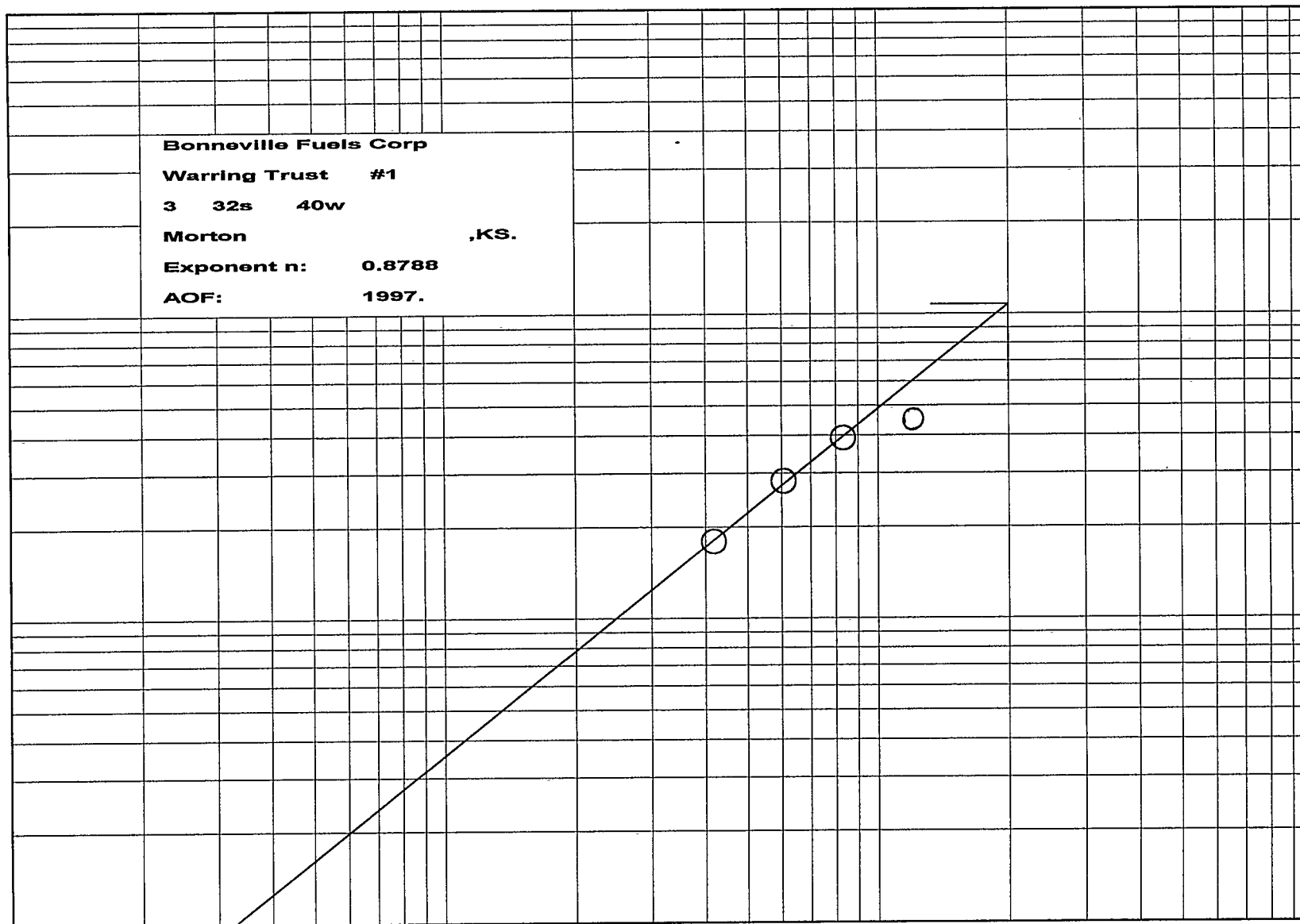
10

10

100

1000

Q (MCF/DAY)



**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☐ Initial ☐ Annual ☐ Special		TEST DATE: 3-22-99	
COMPANY Bonneville Fuels Corp		LEASE Warring Trust	
COUNTY Morton		WELL NO. #1	
LOCATION nw se sw	SECTION 3 32s	TWP 40w	ACRES 320
FIELD Kinsler	RESERVOIR Lwr Mrrw/Keyes	PIPELINE CONNECTION Duke Energy	
COMPLETION DATE 12-20-98	PLUG BACK DEPTH 5452	PACKER SET AT 5154	
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5616
TUBING SIZE 2.875	WT. 6.500	ID 2.441	SET AT 5163
PERF. 5192		TO 5203	
PERF. 5223		TO 5246	
TYPE COMPLETION (Describe) Flowing Gas Well		TYPE FLUID PRODUCTION	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 136	
GAS GRAVITY - Gg .636		BAR PRESS - Pa 14.4 psia	
% CARBON DIOXIDE .100		% NITROGEN 3.000	
API GRAVITY OF LIQUID			
VERTICAL DEPTH (H) 5225		TYPE METER CONN. flange	
REMARKS 2nd backward test using surface pressures		METER RUN SIZE 2"	

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1055	1069	78.00	
1.	1.000	350.00	75.00	44				725	739	1.00	
2.	1.000	344.00	43.00	49				790	804	1.00	
3.	1.000	345.00	23.00	52				859	873	1.00	
4.	1.000	345.00	11.00	56				915	929	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	5.070	364.4	165.32	1.2539	1.0157	1.0359	1105		.636
2.	5.070	358.4	124.14	1.2539	1.0107	1.0341	824		.636
3.	5.070	359.4	90.92	1.2539	1.0078	1.0335	601		.636
4.	5.070	359.4	62.88	1.2539	1.0039	1.0325	414		.636

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	739.4	1069.4	745.2	1143.6	555.3	588.3	1105.9	69.3
2.	804.4	1069.4	807.4	1143.6	651.9	491.7	824.9	75.2
3.	873.4	1069.4	874.9	1143.6	765.5	378.2	602.0	81.6
4.	929.4	1069.4	930.1	1143.6	865.1	278.5	414.3	86.8

INDICATED WELLHEAD OPEN FLOW

2549

Mcfd @ 14.65 psia

"n" =

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 19 _____

Witness (if any)

For Company

For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE:

3-22-99

Bonneville Fuels Corp

Warring Trust #1

3 32s 40w

Morton ,KS.

Exponent n: 1.2972

AOF: 2549.

